

ABSTRACT

A compact, modular, comprehensive, multimedia, surveillance system provides multiple data capture and management capability for field personnel. The system includes a modular sensor array having a standard base module or platform upon which a myriad of systems may be mounted for providing a wide range of flexibility and functionality. A remote base station can be incorporated having a remote, possibly laptop, computer with appropriate Government communications card and an image frame capture card, a printer, and a power inverter to operate the system on 24 VDC military power. The control module is adapted for transmitting all captured data to the base station via a wireless communications link or via plug-in cabling for archiving and managing the data. Modules include a high performance night vision system, a high performance day vision system; an uncooled FLIR; cooled FLIR; RF probe; NBC detector; sensor computer modules; a laser range finder unit, a MELIOS unit and the like. The system has full modularity and various components can be connected as desired, with virtually no limitation in the functionality.

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